

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1317499

Luminaire Tested: P3SQAS20R709830D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709830D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

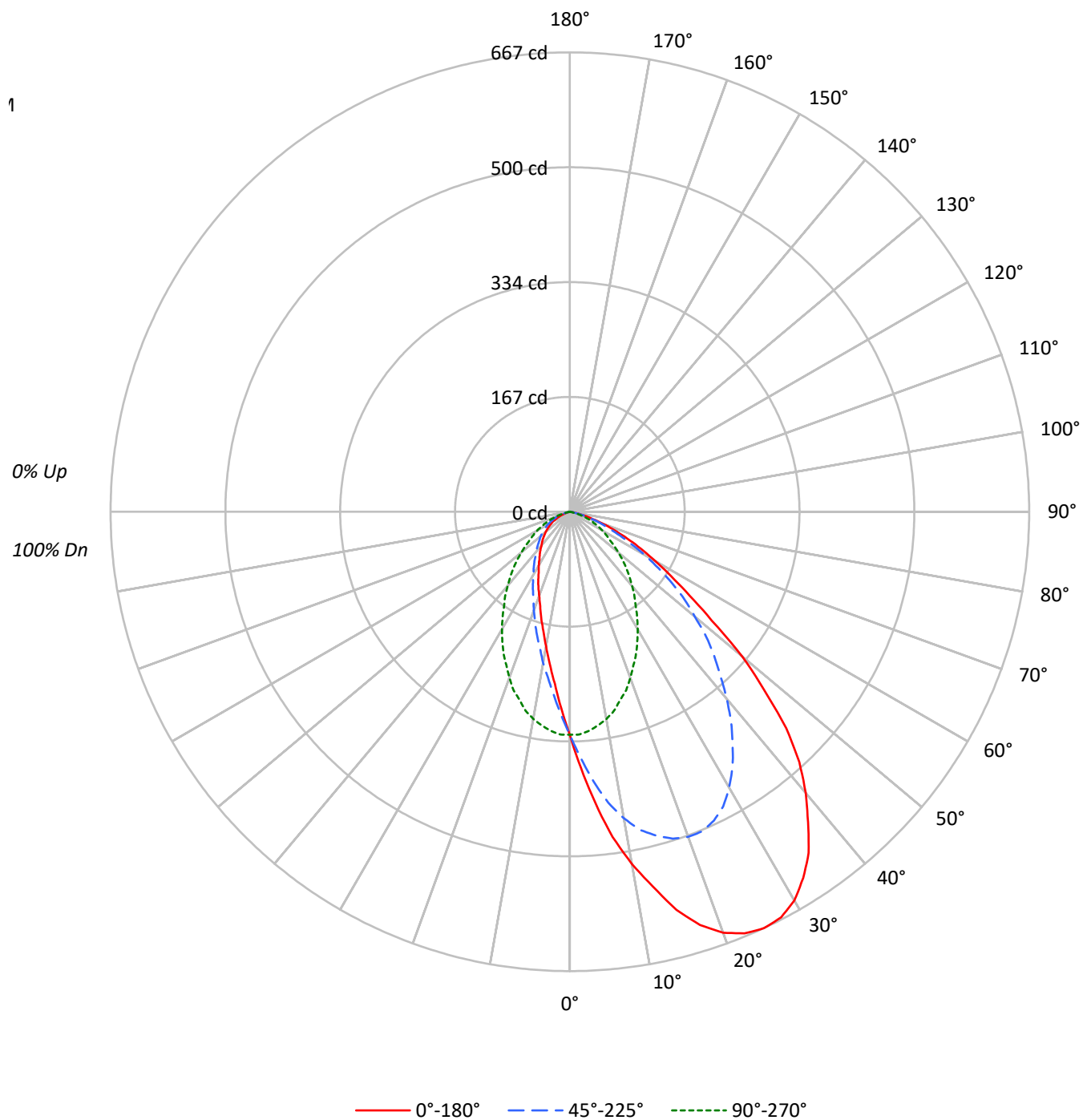
Lumens per Lamp: N/A
Luminaire Lumens: 726.0 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1317499

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLSWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317499

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55748	55748	55748	55748	55748
5°	73370	67838	55166	46194	43289
10°	90780	79028	53408	38981	34714
15°	106711	86831	50369	32932	28581
20°	119202	92059	47010	27986	23789
25°	126786	94006	43231	24076	20599
30°	129640	91995	39177	20941	17918
35°	127114	86663	34985	18943	16042
40°	119784	79631	31587	17154	14411
45°	108214	72142	28253	15612	13396
50°	87533	63392	24542	14736	12271
55°	63715	54557	21078	13752	10990
60°	49428	43125	18944	12607	9989
65°	37328	31093	15567	11207	7457
70°	26134	22307	11531	8460	4633
75°	15238	13175	6122	4059	998
80°	3075	4562	1488	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 108214 cd/sqm

TEST NUMBER: P1317499

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLSWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	4.4
10°-20°	94.4	13.0
20°-30°	142.2	19.6
30°-40°	158.1	21.8
40°-50°	140.1	19.3
50°-60°	95.1	13.1
60°-70°	49.9	6.9
70°-80°	14.2	1.9
80°-90°	0.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	268.2	36.9
0°-40°	426.3	58.7
0°-60°	661.5	91.1
0°-90°	726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	324	324	324	324	324	
5°	424	392	319	267	250	43
15°	598	487	282	185	160	170
25°	667	495	228	127	108	306
35°	605	412	166	90	76	375
45°	444	296	116	64	55	336
55°	212	182	70	46	37	196
65°	92	76	38	28	18	93
75°	23	20	9	6	2	25
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1317499

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLSWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7
2.5°	372.5	371.0	369.5	369.5	368.0	366.4	363.4	363.4	360.3	357.3	354.2
5°	424.4	424.4	424.4	419.9	419.9	413.8	410.7	404.6	398.5	392.4	384.7
7.5°	476.4	476.4	471.8	470.2	465.7	459.6	455.0	445.8	435.1	426.0	413.8
10°	519.1	519.1	514.5	511.5	502.3	496.2	487.0	476.4	465.7	451.9	436.7
12.5°	557.3	558.8	552.7	546.6	537.4	528.3	516.0	502.3	488.6	473.3	453.5
15°	598.5	597.0	589.3	581.7	571.0	557.3	542.0	523.7	505.4	487.0	465.7
17.5°	629.0	627.5	619.9	610.7	597.0	580.2	563.4	542.0	520.6	497.7	471.8
20°	650.4	648.9	641.2	629.0	615.3	597.0	577.1	552.7	529.8	502.3	473.3
22.5°	662.6	661.1	651.9	641.2	624.4	604.6	583.2	557.3	531.3	502.3	470.2
25°	667.2	664.1	655.0	642.8	626.0	604.6	580.2	552.7	525.2	494.7	461.1
27.5°	664.1	661.1	650.4	636.7	618.3	593.9	569.5	542.0	513.0	482.5	447.3
30°	651.9	647.3	638.2	624.4	604.6	580.2	554.2	525.2	494.7	462.6	427.5
32.5°	630.6	627.5	618.3	603.1	583.2	558.8	532.8	502.3	471.8	439.7	404.6
35°	604.6	598.5	589.3	575.6	555.7	531.3	505.4	473.3	444.3	412.2	378.6
37.5°	568.0	566.4	555.7	545.1	525.2	499.3	474.8	444.3	415.3	384.7	351.2
40°	532.8	529.8	520.6	508.4	488.6	465.7	439.7	412.2	383.2	354.2	323.7
42.5°	493.1	488.6	482.5	470.2	451.9	429.0	404.6	377.1	351.2	323.7	296.2
45°	444.3	442.8	435.1	429.0	412.2	392.4	368.0	343.5	317.6	296.2	274.8
47.5°	381.7	380.2	378.6	374.1	364.9	351.2	332.8	309.9	290.1	268.7	239.7
50°	326.7	325.2	322.1	320.6	313.0	305.4	291.6	277.9	261.1	236.6	213.7
52.5°	259.6	261.1	265.7	267.2	265.7	259.6	253.4	248.9	226.0	210.7	189.3
55°	212.2	212.2	210.7	212.2	213.7	216.8	216.8	210.7	195.4	181.7	163.4
57.5°	174.1	174.1	174.1	174.1	174.1	175.6	175.6	174.1	166.4	152.7	135.9
60°	143.5	142.0	142.0	143.5	142.0	142.0	143.5	143.5	135.9	125.2	109.9
62.5°	116.0	116.0	116.0	114.5	114.5	116.0	116.0	114.5	108.4	97.7	87.0
65°	91.6	91.6	91.6	91.6	91.6	93.1	91.6	90.1	84.0	76.3	68.7
67.5°	70.2	70.2	71.8	70.2	71.8	71.8	71.8	68.7	64.1	58.0	53.4
70°	51.9	51.9	51.9	53.4	55.0	55.0	53.4	50.4	47.3	44.3	39.7
72.5°	35.1	36.6	36.6	36.6	38.2	38.2	36.6	35.1	33.6	30.5	29.0
75°	22.9	21.4	22.9	22.9	24.4	24.4	22.9	22.9	21.4	19.8	18.3
77.5°	10.7	10.7	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.7	10.7
80°	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1317499

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLSWW1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7
2.5°	351.2	346.6	340.5	323.7	308.4	294.7	287.0	285.5
5°	375.6	369.5	354.2	319.1	290.1	267.2	253.4	250.4
7.5°	401.5	389.3	368.0	313.0	271.8	242.8	227.5	222.9
10°	421.4	406.1	377.1	305.4	253.4	222.9	204.6	198.5
12.5°	435.1	416.8	384.7	296.2	238.2	201.5	183.2	177.1
15°	442.8	422.9	386.3	282.5	219.9	184.7	164.9	160.3
17.5°	445.8	422.9	383.2	271.8	203.1	167.9	149.6	143.5
20°	444.3	416.8	375.6	256.5	187.8	152.7	134.4	129.8
22.5°	438.2	407.6	363.4	241.2	172.5	137.4	122.1	119.1
25°	429.0	395.4	349.6	227.5	158.8	126.7	111.5	108.4
27.5°	413.8	380.2	331.3	212.2	146.6	116.0	102.3	97.7
30°	393.9	361.8	313.0	197.0	134.4	105.3	93.1	90.1
32.5°	372.5	340.5	294.7	181.7	123.7	97.7	85.5	82.4
35°	348.1	317.6	271.8	166.4	113.0	90.1	77.9	76.3
37.5°	323.7	293.1	251.9	154.2	103.8	82.4	71.8	70.2
40°	296.2	271.8	241.2	140.5	96.2	76.3	67.2	64.1
42.5°	279.4	245.8	207.6	128.2	88.6	70.2	61.1	59.5
45°	242.8	218.3	187.8	116.0	80.9	64.1	56.5	55.0
47.5°	218.3	197.0	167.9	103.8	74.8	59.5	51.9	50.4
50°	193.9	174.1	146.6	91.6	68.7	55.0	47.3	45.8
52.5°	169.5	149.6	125.2	80.9	61.1	50.4	42.7	41.2
55°	145.0	126.7	103.8	70.2	55.0	45.8	39.7	36.6
57.5°	119.1	103.8	88.6	62.6	48.9	41.2	35.1	32.1
60°	96.2	87.0	74.8	55.0	42.7	36.6	30.5	29.0
62.5°	77.9	70.2	62.6	47.3	38.2	32.1	27.5	22.9
65°	62.6	58.0	51.9	38.2	32.1	27.5	22.9	18.3
67.5°	48.9	45.8	41.2	32.1	26.0	22.9	16.8	13.7
70°	38.2	35.1	32.1	22.9	19.8	16.8	12.2	9.2
72.5°	27.5	24.4	22.9	16.8	13.7	12.2	7.6	4.6
75°	16.8	16.8	13.7	9.2	7.6	6.1	3.1	1.5
77.5°	9.2	9.2	7.6	4.6	4.6	1.5	0.0	0.0
80°	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0
82.5°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)